

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 8, line 11 with the following amended paragraph:

The radial thickness of the seal should be minimized, preferably to less than 0.120 inch for a shaft having an outside diameter of 1.5 - 2.5 inch. in order to assure minimum radial resistance to deformation by hydraulic pressure. Alignment of parts and run-outs should be minimized to avoid creating any interference between the outer diameter of the seal and the inner diameter of the grooves. The inner free-state diameter of the seal should be made as close as possible to the outer diameter of the shaft at the maximum operating temperature in order to form a hydraulically tight line-to-line contact ~~74~~ at the scarf cut position.

Please replace the paragraph on page 8, line 20 with the following amended paragraph:

The seal is installed in the housing 10 by slightly coiling the seal 20 in the radial direction by an amount required to reduce its outer diameter to less than the inner diameter of the housing bore 12. This results in the end of seals overlapping in a helical manner. The seal is inserted into the bore 12 to the axial location of the groove 16 with the side of seal opposite the helical overlap leading the overlapped side. Then the seal is allowed to expand radially outward into the groove 16 elastically and by the application of light radial pressure tending to insert the seal in the groove. Preferably, installation of a seal is completed in about three seconds or less to ensure ~~assure~~ minimum plastic deformation. The installed seal should be energized by fluid pressure and subjected to a period of normal operation at an elevated temperature, up to about 200° F, in order to completely recover its initial free state condition.